



Real World Design Challenge

The Real World Design Challenge is an annual high school competition run by a public-private partnership with the goal of sustainably increasing the Science, Technology, Engineering, and Mathematics (STEM) workforce. The partners are focused on working within the context of the American educational system to transform STEM education in the United States by providing professional science and engineering and learning resources to students and teachers.

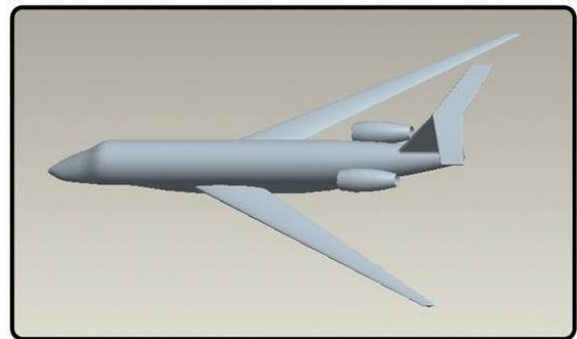


Baldwin High school Team-2010 National Winner

The Real World Design Challenge partners bring a broad base of resources and expertise from business, government, and academia. Throughout the pilot year, the partners have specifically focused on securing resources with high scaling costs. In fact, the 2009 competition brought more than a quarter-billion dollars in resources to schools, and the 2010 competition brought schools nearly a half billion dollars in resources. The Challenge is *free* to teachers and students. *Each teacher gets \$1 million in professional engineering software and teams get access to professional mentors.* Twenty-five governors have supported the “Governor’s

Challenge” at the state level. The National competition is held each year in Washington, DC.

Students design a plane looking at the forces of flight with the aim of enhancing fuel efficiency. This year’s State Challenge will be posted on the RWDC website by mid-September 2010. Registration is open now.



Student Design

Thus far, 26 partner organizations have made the Real World Design Challenge possible through their generous contributions of resources. Numerous designers, mentors, and judges from across industry, government, and academia have also been key to the success of the program by donating their expertise to design the Challenge, share their knowledge with students, and evaluate the students work.

For additional information contact Dr. Ralph K. Coppola, Real World Design Challenge Director: phone: 703-298-6630, email: rcoppola@ptc.com, or go to the RWDC website to register a team and learn more www.realworlddesignchallenge.org.